IFW

DOCKET NO.: MSFT-2949/307005.01

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Azeemullah Khan, et al.

Application No.: 10/775,624

Filing Date: February 10, 2004

For: SQL SERVER DEBUGGING

Confirmation No.: 1533

Group Art Unit: 2184

Examiner: Not Yet Assigned

DATE OF DEPOSIT: 5-27-05

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 450, ALEXANDRIA, VA 22/313-450.

TYPED NAME: Steven B. Samuels REGISTRATION NO.: 37,711

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

	the abo	ve identified application as set forth in § 1.491, before the mailing date
	of a fir	st Office Action on the merits of the above-identified application, or
	before	the mailing date of a first Office Action after the filing of request for
	continu	ed examination under § 1.114, no additional fee is required.
	In acco	rdance with § 1.97(c), this Information Disclosure Statement is being
	filed af	ter the period set forth in § 1.97(b) above but before the mailing date of
	either a	Final Action under § 1.116 or a Notice of Allowance under § 1.311, or
	before a	an action that otherwise closes prosecution in the application, therefore:
		Certification in Accordance with § 1.97(e) is attached; or
		The fee of \$180.00 as set forth in § 1.17(p) is attached.
	In acco	rdance with § 1.97(d), this Information Disclosure Statement is being
	filed af	ter the mailing date of either a Final Action under § 1.113 or a Notice
	of Allo	wance under § 1.311 but before, or simultaneously with, the payment
	of the	Issue Fee, therefore included are: Certification in Accordance with §
	1.97(e)	; and the submission fee of \$180.00 as set forth in § 1.17(p).
\boxtimes	Copies	of reference numbers 9 thru 87 listed on the attached Form PTO-1449
	are enc	losed herewith.
\boxtimes	Copies	of reference numbers 88 thru 101 on the attached Form PTO 1449 are
	not requ	uired to be submitted pursuant to the waiver of 37 CFR § 1.98(a)(2)(i).
		Copies of references - are not being submitted because
		they were previously cited by or submitted to the U.S. Patent and
		Trademark Office in patent application number , filed for
		which a claim for priority under 35 U.S.C. § 120 has been made in the
		instant application.

PATENT

DOCKET NO.: MSFT-2949/307005.01 - 3 -

There are no listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: 5-27-05

Steven B. Samuels Registration No. 37,711

WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 Telephone: (215) 568-3100

Facsimile: (215) 568-3439 © 2005 ww





Form PTO	-1449 Modified	Docket No. MSFT-2949/307005.01	Application No. 10/775,624	
Cited b	at and Publications by Applicant sheets if necessary)	Applicant Azeemullah Khan, et al.		
	nent of Commerce Frademark Office	Filing Date February 10, 2004	Group 2184	
		Confirmation No. 1533		
ОТНЕ	R DOCUMENTS (Includ	ling Author, Title, Date, Pe	rtinent Pages, Etc.)	
9	Oriented Development E 430-440		ceedings, October 4-8, 1987,	
10	Technology Advances in	l and Graphical Views of Me Digital Libraries, 1998, 256	-265,	
11	Beitner, N.D. et al., "Mu	ltimedia Support and Author Electronics and Computer Sc	ring in Microcosm: An Extended	
12	Berg, C., How Do I Crea 98-101	nte Persistent Java Objects? I	Or. Dobb's Journal, 1997, 22(4),	
13	Between Database and F Data and Symposium on ACM SIGMOD Internat Biliris, A., "The Perform	Principles of Database Systional Conference on Manage nance of Three Database Store	Conference on Management of ems, Proceedings of the 2002 ement of Data, 2002, 500-511 rage Structures for Managing	
	Large Objects", ACM SI	GMOD, 1992, 276-285		
15	Design with Application	mmings Publishing Co, "Objus", 1994 , 155, 156, 179-183		
16	Base Management Syste 1976, 125-147	ms G.M. Nijssen, (ed); North	Modelling", Modelling in Data h Holland Publishing Company:	
17	ACM, 1986, 4-15		tabase Programming Languages,	
18	18 Chien, A.A., "Concurrent Aggregates (CA) – Design and Experience with a Concurrent Object – Oriented Language Based on Aggregates", J. Parallel an Distributed Computing, 1995, 25(2), 174-196			
EXAMINER		DATE CONSI	DERED	

Form PTO	-1449 Modified	Docket No. MSFT-2949/307005.01	Application No. 10/775,624			
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Azeemullah Khan, et a	ıl.			
	nent of Commerce Frademark Office	Filing Date February 10, 2004	Group 2184			
		Confirmation No. 1533				
OTHE	R DOCUMENTS (Includ	ling Author, Title, Date,	Pertinent Pages, Etc.)			
19	Aided Design of Marine	Structures", MTS Journa	ic Modeling Issues in Computer 1, 22(2) pp 15-33			
20	"Computervision Launch Windows", PR Newswire	e, Financial News, Jan. 1	0, 1995			
21	Management System", A	D'Andrea, A. et al., "Unisql's Next Generation Object-Relational Database Management System", ACM SIGMOD Record, September 1996, 25(2), 70-76				
22	Darby, C., "Object Serialization in Java 1.1. Making Objects Persistent, WEB Techniques, 1997, 2(9), 55, 58-59					
23	Inc., 1997, 1-34	"Developer's Guide to Apple Data Detectors-For Version 1.0.2", ©Apple Computer, Inc., 1997, 1-34				
24	Dietrich, Walter C., Jr., et al., "TGMS: An Object-Oriented System for Programmin Geometry", Software-Practice and Experience, Oct 1989, 19(10), 979-1013					
25	Forum, 1994, 13(3), C85	5-C96	Design", Computer Graphics			
26	Acquires the Assets to A New, Jan.16, 1995, 4 pa	Dorsch, Jeff, "Accel Signs with IBM to Buy Altium PCB Unit-Accel Technologies Acquires the Assets to Altium's P-CAD Business Unit", EDA Licensing, Electronic New Jan. 16, 1995, 4 pages				
27	Transactions on Databa	se Systems, Dec 2000, 250	sing an Effective Calculus", ACM (4), 457-516			
28	Findler, R.B. et al., Contract Soundness for Object-Oriented Languages ACM Conference on Object-Oriented Programming Systems, Languages, and Applications, <i>OOPSLA</i> , 2001, 15 pages					
29	Foley et al., Computer C Wesley Publishing Com	Foley et al., Computer Graphics: Principles and Practices, Second Edition, Addison-Wesley Publishing Company, 1990, Ch. 5 and 9, pp. 201-283				
EXAMINER	· · · · · · · · · · · · · · · · · · ·	DATE CON				

Form PTO	-1449 Modified	Docket No MSFT-29	0. 49/307005.01	Application No. 10/775,624
Cited b	t and Publications by Applicant cheets if necessary)	Applicant Azeemullah Khan, et al.		
	nent of Commerce Trademark Office	Filing Dat February		Group 2184
		Confirmat	ion No.	
ОТНЕ	R DOCUMENTS (Includ	ing Author	, Title, Date, Perti	nent Pages, Etc.)
30	Issues in Geographic Dat	ta Modeling	"" November 2001	Requirements and Research, Proceedings of the 9th ACM
31		entation of Digital Sym	SQL3 Structured T posium Collection,	ypes with Inheritance and 2000 , Abstract only, 2 pages,
32	Garret, J.H., Jr. et al, "Ar	n Object Or Data", Adv	iented Environment anced Construction	t for Representing Building Technology Center, June
33		"A RISC-N s", APEC 2	ficrocontroller Base 000. Fifteenth Anni	
34	Goscinski, A. "Distribute Wesley, 1991, 306-313	ed Operatin	g Systems The Log	ical Design", Addison-
35	Harrison, C.J. et al., "Str Inference", <i>IEEE</i> , 2000 ,	241-247		
36	23(8), 32, 34, 36-37			Or. Dobb's Journal, 1998,
	Hay, David C, "Data Mo Publishing, New York, N	NY 1996, 47	-67, 235-259	
38	38 Hernandez, M.A. et al, "The Merge/Purge Problem for International Conference on Management of Data and S Database Systems", Proceedings of the 1995 ACM SIG Conference on Management of Data, 1995, 127-138			Symposium on Principles of
39	Hsiao, H.I. et al., "DLFM	1: A Transa	ctional Resource M	lanager", SIGMOD, Conference on Management
EXAMINER			DATE CONSIDE	ERED

Form PTO	-1449 Modified	Docket No. MSFT-2949/307005.01	Application No. 10/775,624	
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Azeemullah Khan, et al.		
-	nent of Commerce Trademark Office	Filing Date February 10, 2004	Group 2184	
		Confirmation No. 1533		
ОТНЕ	R DOCUMENTS (Includ	ing Author, Title, Date, Po	ertinent Pages, Etc.)	
40	System", Advanced Data	n of 3D CG Data Model of Inbase Research and Develop Workshop On Future Databo	Move Animation Database oment Series, vol. 3, Proceedings ase Systems, 1992, 364-372	
41	Kaneko, K. et al., Towar Database System Move"	ds Dynamics Animation on	Object-Oriented Animation arch and Development Series,	
42	Katz, R.H., "Toward a U Databases", ACM Compa	Unified Framework for Version Modeling in Engineering outing Surveys, 1990, 22(4), 375-408		
43	Non-Manifold Geometric Lectures Presented at the	c Modeling", A Collection o e 2d Toyota Conference, Or		
44	Kempfer, L., "CAD Jum Engineering, 1993, 24-2	ps on Windows 3.1 Bandwa 5		
45	Database Management S	ormance Evaluation of Storing XML Data in Relational Systems, WIDM, 2001, 31-38		
46	Khoshafian, S. et al, "Ob	eject Identify", OOPSLA'86,	1986, 21, 406-416	
47	Binary Relational Storag Conference On Data Bas	ge Structures", <i>Proc. 8.sup.ti</i> ses), pp. 64-84 (York 1990)		
48	Krouse, J.K., "Geometric 99-105	c Models for CAD/CAM", A	Machine Design, July 24, 1990,	
49	LeBlanc, Andrew R., et a	al, "Design Data Storage an : Research and Application.	d Extraction Using Objects", s, 1993, 1, 31-38	
EXAMINER		DATE CONS		

Form 1	PTO	-1449 Modified	Docket No. MSFT-2949/307005.01	Application No. 10/775,624	
C	List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Azeemullah Khan, et al.		
		nent of Commerce Trademark Office	Filing Date February 10, 2004	Group 2184	
			Confirmation No. 1533		
O'	гнен	R DOCUMENTS (Incli	uding Author, Title, Date, Po	ertinent Pages, Etc.)	
	50	Languages", ACM Cor	nputing Surveys, December 2	ented Database Programming 002, 34(4), 409-449	
	51	Systems", IEEE Trans	saction Processing in Mobile, Heterogeneous Database s. on Knowledge and Data Engineering, 2002,14(6), 1330-1346 to: "An Object Oriented Database Layered on a Triple Store", al., 1992, 35(2),108-118		
	52	The Computer Journal			
	53	15, 1978, 10 pages		or", Bell Laboratories, August	
	54	1993, 12(12), 32-36		nputer-Aided Engineering, Dec	
	55	2001, 30(1), 70-77		Data", SIGMOD Record, March	
	56	1990 , 139-143	ogic of Architecture", Massachusetts Institute of Technology,		
	57	ACM, September 199	92, 35(9), 112-123	abases," Communications of the	
	58	Nelson, M. et al, "Gen		Disconnected Operation", 4th 993, 61-65	
EXAMINER	I	<u></u>	DATE CONS		

Form PTO	-1449 Modified	Docket No. MSFT-2949/307005.01	Application No. 10/775,624	
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Azeemullah Khan, et al.		
	nent of Commerce Trademark Office	Filing Date February 10, 2004	Group 2184	
		Confirmation No. 1533		
ОТНЕ	R DOCUMENTS (Inclu	ding Author, Title, Date, Pe	ertinent Pages, Etc.)	
59	Oriented Approach", De Prentice Hall, 10-33, 42	epartment of Computer Scien 2-43, 48-51, 156-170	onal Database Design, A Fact ce, University of Queensland,	
60	Oracle 9i SQL Reference	Puery Processing in the Object Store Database System", ACM and Conference on Management of Data, June 1992, 21(2),403-		
61	, , , ,			
62		natorial Approach to Content and Systems, Jun 7, 1999, 45		
63	Papiani, M. et al, "A Di		nive Using the Web, XML and	
64	1993), OMG TC Docum			
65	to IBM-Standard Perso	ting: Why Pay More?", PC Magazine: The Independent Guide sonal Computing, 1993, 12(4), 255-289		
66	Reiner, A. et al., "Bener Applications", Virtual S	fits of X-based Three-Tier Cl Solutions, 1995, 9 pages	ient/Server Model with ESRI	
67	Read, III, B.C., "Develo	oping the Next Generation Conics Systems Magazine, 1996,	ockpit Display System", IEEE 11(10), 25-28	
EXAMINER		DATE CONSI		

Form P7	Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Docket No MSFT-29	49/307005 . 01	Application No. 10/775,624
Cite			Applicant Azeemullah Khan, et al.		
		ent of Commerce rademark Office	Filing Date February		Group 2184
			Confirmat 1533	on No.	
OTH	IER	DOCUMENTS (Include	ding Author	, Title, Date, Pe	ertinent Pages, Etc.)
	68	59(25),117-122			Machine Design, Oct. 22, 1987,
	69	Roussopoulos, N. et al., Proceedings of the 1 st Su			for Data Base Management", ce, 1975, 144-172
	70 Santos, J.L.T. et al., "C for Concurrent Design			ceedings of the 993, Simulation	ngineering Design Environment 1993 ITEC Workshop on in Concurrent Engineering, 71-
	71	Seshadri, P., "Enhanced VLDB Journal, The Inte 140	Abstract Da ernational Jo	ta Types in Objection on Very Lo	ect-Relational Databases", The arge Databases, 1998, 7, 130-
	72	pp 6-9, 14-17, 55-57, M	organ Kaufn	nann Publishers	gement for the Year 2000, 1995,
	73	Mathematics and Comp	uters in Simi	lation, 1992, 12	
	74	Association for Comput	B: An Object Design Data Manager for VLSI CAD", ter Machinery, 1993, 467-470		
	75	Stevens, T., "Value in 3	-D", Industr	Week, Januar	y 8, 1995, 45-46
	76	Stonebraker, M., "The C	Case for Part	al Indexes", SIC	GMOD Record, 1989 , 18(4), 4-9
	77	Strickland, T.M., "Inters International Conference			ect", Proceedings of the AM/FN 69-75
KAMINER	L			DATE CONSI	

Form P	Form PTO-1449 Modified). 49/307005 . 01	Application No. 10/775,624	
Cite	List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Azeemullah Khan, et al.			
		ent of Commerce rademark Office	Filing Dat February		Group 2184	
			Confirmat 1533	ion No.		
ОТН	HER	R DOCUMENTS (Incl	uding Author	, Title, Date, Pe	ertinent Pages, Etc.)	
	78		Oriented and F	Relational Techno	Architecture (HORA), An ology", Applied Computing:	
	79 Suzuki, H. et al., "Ge Third international C			cometric Modeling for Modeling Products", Proceedings of the Conference on Engineering Graphics and Descriptive Geometry, enna Austria, 2, 237-243		
	80	Sreekanth, U. et al., "A Manufacturing System	'A Specification Environment for Configuring a Discrete-Part m Simulation Infrastructure", <i>International Conference on Obsernetics</i> , October 17-20, 1993, 1, 349-354 An Integrated Robot System Architecture", <i>Proceedings of the</i> (7), 842-856 ridging XML-Schema and Relational Databases. A System for pulating Relational Databases using Valid XML Documents",			
	81					
	82	Varlamis I. et al., "Brid				
	83	Wilcox, J., "Object Da Dobbs Journal, Novem	tabases-Objec		stributed Computing", Dr.	
	84	Computer-Aided Archi	ledge Integration for Architectural Design", Knowledge-Based itectural Design, 1994, 123-146			
	85 Waugh, A., "Specifying			ng Metadata Standards for Metadata Tool Configuration", and ISDN Systems, 1998, 30, 23-32		
	86	IEEE Multimedia, IEE	E Computer S	Society, 1996, 3,	h, and Retrieval of Audio", 27-36	
	87	Yoshikawa, M. et al., '	'XRel: A Path ng Relational l	n-Based Approac Databases", ACM	th to Storage and Retrieval of Internet	
XAMINER		toomorogy, rangust 20		DATE CONSI	DERED	

Fo	rm PT	O-1449 Modifie	d	Docket No. MSFT-2949/307005.01	Application 1 10/775,624	No.	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)				Applicant Azeemullah Khan, et al.			
		artment of Commerce d Trademark Office	•	Filing Date February 10, 2004			
				Confirmation No. 1533			
		U. 9	S. PATENT	DOCUMENTS			
Examiner Initial	Document No. Date			Name	Class	Subclass	
	88	2002/0091702 A1	07/11/02	Mullins	707	100	
	89	2002/0198891 A1	12/26/02	Li, et al.	707	102	
	90	5,900,870	05/04/99	Malone, et al.	345	333	
	91	6,047,291	04/04/00	Anderson, et al.	707	103	
	92 6,108,004 08/22/00 N		Medl	345	346		
	93	6,112,024	08/29/00	Almond, et al.	395	703	
	94	6,199,195 B1	03/06/01	Goodwin, et al.	717	1	
	95	6,338,056 B1	01/08/02	Dessloch, et al.	707	2	
	96	6,370,541 B1	04/09/02	Chou, et al.	707	103	
	97	6,519,597 B1	02/11/03	Cheng, et al.	707	10	
	98	6,556,983 B1	04/29/03	Altschuler, et al.	706	55	
	99	6,578,046 B2	06/10/03	Chang, et al.	707	103	
	100	6,772,178 B2	08/03/04	Mandal, et al.	707	204	
	101	2002/0152422 A1	10/17/02	Sharma, et al.	714	13	
		FORE	IGN PATE	ENT DOCUMENTS			
Examiner Initial		Document No.	Date	Country	Tra YES	nslation NO	
EXAMINER	₹			DATE CONSIDERED			